EIV Fonta Cold-adap Wild type Full leng

Equine in

Influenza Influenza Influenza Influenza

Influenza

Stem regi Influenza

Add88617 Add88618 Add88618 Add88618 Adg18381 Abp53897 Aar 6670 Aar 76670 Aar 76670

Influenza

Sequence

SIV strai Influenza Influenza

Abb05774 Aay70056 Aar63590

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The invention relates to a novel set of peptides and their salts. The peptides of the invention have hypotensive activity. The peptides are used as hypotensive agents or in health foods, and have favourable taste. The present sequence represents a peptide of the invention, having angiotensin converting enzyme inhibitory activity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Soybean; angiotensin converting enzyme inhibitor; hypertension;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Soybean angiotensin converting enzyme inhibitory peptide #2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 in health foods
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                                                                                                                                                                                                                                                                                                               ALIGNMENTS
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AAY29709
ADD88617
ADD88617
ADD88618
ADD88616
ADD88391
ABF53897
ABF53897
ABF53897
ABF53897
AAR649439
AAR404434
AAR404434
AAR404543
AAR40670
ABF538957
AAR63589
                                                                                                                                                                                                                                                                    ABB05774
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 1; Page 19; 43pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                 ABB81804 standard; peptide; 7 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      16-JAN-2001; 2001JP-0007400.
04-OCT-2001; 2001JP-00308974.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             15-JAN-2002; 2002WO-JP000194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (AJIN ) AJINOMOTO CO INC
 WPI; 2002-520117/55.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             hypotensive; taste
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Kodera T, Nio N;
 WO200255546-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 7 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Glycine max.
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  ABB81804;
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    Soybean g
Glycine m
Soybean g
Soybean G
G. max gl
Soybean g
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                                                                                                  2004, 19:23:00 ; Search time 87.7188 Seconds (without alignments) 28.627 Million cell updates/sec
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Ado60333
Ado60333
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Aby22502
Aby22502
Adg27263
Adg37263
Adg372
                 GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
                                                                                                                                                                                                                                                                                      Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                         2002273 seqs, 358729299 residues
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                                                                         protein search, using sw model
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ADO60333
ADO60333
ADO60333
ABG71266
ADL991265
ADG43988
AAY40949
AAY40949
ABG71265
ADG27563
ADG27563
ADG27563
ADG43982
AAE10365
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Gapop 10.0 , Gapext 0.5
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Maximum Match 100%
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length: 2000000000
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42
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Scoring table:

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Gaps

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Length 7; Indele

Query Match
Best Local Similarity 100.0%; Pred. No. 1.7e+06;
Matches 7; Conservative 0; Mismatches 0;

1 PNNKPFQ 7

8

Soybean g Novel hum Synthetic

100.0 90.5 88.1

G. max gl Soybean g G. max gl

Abg71264 C Adh89245 C Ad190168 S Ad343380 C Ad190190 S Abg17977 D Aap60882 S

Shin DS;

Stanley JS, Sl SJ, Kopper RA;

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The invention provides a tertiary structure for the peanut allergen Ara H 1 allergen is found to contain 23 linear IgE-binding expitoges. The invention also provides an isolated recombinant peanut allergen designated Ara h 3 and a nucleotide molecule encoding the peanut allergen Ara h 3. Molecules of the invention are used to protect a host animal from allergic reaction, particularly using a modified allergen which is less reactive with IgE. The invention may also be used to ensure that the allergen is not introduced into genetically modified food. The present sequence represents a soybean glycinin Gl precursor protein
                                                                                                                                                                                                                                                                                                                                                 Tertiary structure of peanut allergen Ara h 1 for protection of a host animal from allergic reaction.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cholesterol reducing, antilipaemic; cholesterol level, food additive; beverage additive; fodder additive.
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                                                                                                                                                                                                                                                         Helm RM, Cockrell G, Bannon GA,
Compadre CM, Huang SK, Maleki
                                                                                                                                                                                                                                                                                                                                                                                                         Disclosure, Fig 12; 193pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADO60334 standard; protein; 128 AA.
                                                                                                                             99WO-US005494
                                                                                                                                                                  98US-0077763P.
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                                                                                                                                                                                   99US-00077763
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                                                                                                                                                                                                                                                                                                                  WPI; 1999-551218/46.
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nes 7; Conserv
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                                                    WO9945961-A1
                                                                                                                               12-MAR-1999;
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                   Glycine max.
                                                                                        16-SEP-1999.
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Sampson H,
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The invention provides a tertiary structure for the peanut allergen Ara H in The Ara H allergen is found to contain 23 linear IgB-binding epitopes. The invention also provides an isolated recombinant peanut allergen designated Ara h 3 and a nucleotide molecule encoding the peanut allergen Ara h 3. Molecules of the invention are used to protect a host animal from allergic reaction, particularly using a modified allergen which is less reactive with IgB. The invention may also be used to ensure that the allergen is not introduced into genetically modified food. The present sequence represents a soybean glycinin G2 precursor protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Tertiary structure of peanut allergen Ara h 1 for protection of a host animal from allergic reaction.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                       Peanut; allergen; Ara H 1; IgE; immunoglobulin E; epitope; Ara h 3; allergic reaction; soybean; glycinin G2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         elm RM, Cockrell G, Bannon GA, Stanley JS, S
Compadre CM, Huang SK, Maleki SJ, Kopper RA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 42; DB 2; Length 87; 100.0%; Pred. No. 4.2; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                      Soybean glycinin G2 precursor protein fragment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Soybean glycinin G1 precursor protein fragment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; Fig 12; 193pp; English.
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                                                                                          AAY40984 standard; protein; 87 AA.
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nes 7; Conservative
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 1 PNNKPFQ 7
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Sampson H,
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Mismatches Score 42; Pred. No.

100.0%; Scu-100.0%; Pre

Query Match 100. Best Local Similarity 100. Matches 7; Conservative

Length 291;

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This invention relates to a novel peptide which has cholesterol reducing activity. The invention is useful for the production of compounds with an antilipaemic activity by reducing cholesterol levels. The peptide is useful as a cholesterol reducing cholesterol levels cholesterol levels in both animals and humans. The peptide is also useful as food/beverage additive or fodder additive. Thus the peptide is useful in the anintenance of health in humans and animals. The peptide is useful in the reduces cholesterol content in both humans and animals. The persent sequence is that of a Fabales-derived protein (partial) which is related to the cholesterol-reducing peptides of the invention.
                                                                                                                This invention relates to a novel peptide which has cholesterol reducing activity. The invention is useful for the production of compounds with an antilipaemic activity by reducing cholesterol levels. The peptide is useful as a cholesterol reducing agent for reducing cholesterol levels in both animals and humans. The peptide is also useful as food/beverage additive or fodder additive. Thus the peptide is useful in the anintenance of health in humans and animals. The peptide effectively reduces cholesterol content in both humans and animals. The present sequence is that of a Fabales-derived protein (partial) which is related to the cholesterol-reducing peptides of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cholesterol reducing; antilipaemic; cholesterol level; food additive; beverage additive; fodder additive.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel peptide which has cholesterol reducing activity, useful for reducing cholesterol levels in both humans and animals, and as a food/beverage additive or fodder additive.
Novel peptide which has cholesterol reducing activity, useful for reducing cholesterol levels in both humans and animals, and as a food/beverage additive or fodder additive.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Cholesterol-reducing-related Fabales protein sequence SeqID3
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                                                                                  Disclosure; SEQ ID NO 4; 20pp; Japanese.
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                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity 100
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                                                                                                                                                                                                                                                                                                                                            Sequence 128 AA;
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21-DEC-2000; 2000JP-00405097. 21-DEC-2000; 2000JP-00405097.

JP2002193996-A.

Glycine max

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Gaps

10-JUL-2002.

Soybean; Glycinin; atomic coordinate data; processability; soya protein; Dare; protein co-ordinate data.

Glycine max (Soybean) var. Dare protein.

(first entry)

17-DEC-2002

ABG71266;

ABG71266 standard; protein; 481 AA.

44

38 PNNKPFQ

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Glycinin, beta-conglycinin and proglycinin, their crystal structures, three dimensional coordinates, three dimensional structured and models

WPI; 2002-685438/74.

N-PSDB; ABS55193

and their uses.

(KYOU) UNIV KYOTO.

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gарв
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Best Local Similarity 100.
7; Conservative
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Sequence 291 AA

us-10-618-644-2.rag

WPI; 2003-803889/75. Bauer J; N-PSDB; ADH89252 Sequence 481 AA; WO2003078629-A1. Glycine max 25-SEP-2003 Reducing Kock M,

This invention describes a novel method for reducing the expression of at least two different endogenous target genes in a eukaryotic cell or organism by introducing an RNA molecule that is at least partly double etranded. The transcribed RNAA from at least two target genes have homedoy below 90% and the RNA molecule is formed as a single, self-complementary molecule. At least one of the double-stranded structures formed from individual sense sequences has an even number of repeats of 10 r2 2 bp. THE RNA molecule may include an intron-encoding sequence. At least two target genes are selected from different classes of storage protein genes, i.e. 25-albumen, 75- or 118/128-globulins or zeinprolamine and at least one of the sense sequences is identical to storage protein genes, i.e. 25-albumen, 75- or 118/128-globulins or zeinprolamine sud at least one of the sense sequences is identical to storage protein sequences or genes in the homogentistate metabolic pathway or carymes or cellulases. The RNA of the invention, also related cassettes, contained sequences or genes in the homogentistate metabolic pathway or carymes or cellulases. The RNA of the invention, also related cassettes, creamedity composition and/or content of featy acids, protechnology, specifically in plants to improve protection against a biotechnology, specifically in plants to improve protection against a biotechnology, specifically in plants to improve protection against a biotechnology, pecifically in plants to improve protection and plant in plants to improve protection and plant of total content of pathogens, to indiffy composition and/or content of toxic or aging, to induce male sterility, to reduce content of toxic or aging, to induce male sterility, to reduce content of toxic or aging, to induce male sterility, to reduce content of toxic or aging, to induce male sterility, to reduce content of toxic or aging, to induce male sterility, to modify the genes, to modify landing the sequences of the protein content, by reducing threamine biosymphi lipid composition; oil composition; carbohydrate composition; colour; pigmentation; pathogen resistance; fruit ripening delay; aging; male sterility; lignin; fibre; cotton; Vitamin E synthesis; nicotine; caffeine; theophylline; threonine biosynthesis; glycinin. reducing expression of at least two target genes, useful e.g. for producing transgenic plants, using partly double-stranded interfering pharmaceutical; plant; abiotic stress; fatty acid composition; Disclosure; SEQ ID NO 28; 228pp; German. 17-MAR-2003; 2003WO-EP002735. 20-MAR-2002; 2002DE-01012892. (BADI) BASF PLANT SCI GMBH.

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Allergen characterization comprises obtaining a recombinant fusion protein and detecting the binding of immunoglobulin E molecules in the biological sample to the recombinant fusion protein.
                                                                                                                                              immunomodulator; immunotherapy; allergen characterisation; immunoglobulin B; allergen sensitivity; soybean; glycinin G3; acidic protein.
                                                                                                                                                                                                                                                                                                                                                   Sarath G, Markwell JP;
                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure; SEQ ID NO 21; 34pp; English.
                                                                   ADL90187 standard; protein; 481 AA.
                                                                                                                                                                                                                                                  12-JAN-2001; 2001US-00759967.
                                                                                                                                                                                                                                                                    13-JAN-2000; 2000US-0175948P. 03-MAR-2000; 2000US-0186724P.
                                                                                                                             Soybean glycinin G3 protein.
                                                                                                         20-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                 Beardslee TA, Zeece MG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 7; Conservative
                                                                                                                                                                                                                                                                                                (BEAR/) BEARDSLEE T A.
                                                                                                                                                                                                                                                                                                                     (SARA/) SARATH G.
(MARK/) MARKWELL J P.
                  63
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Best Local Similarity
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SARATH G.
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            PNNKPFQ (
PNNKPFQ
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                                                                                                                                                                                        Glycine max.
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                                                                                      ADL90187;
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The invention describes a method of allergen characterisation comprising:

obtaining a recombinant fusion protein; attaching the recombinant fusion
protein to a substrate through the native protein; contacting the
recombinant fusion protein attached to the substrate with a biological
sample from an individual; and detecting the binding of immunoglobulin E
molecules in the biological sample to the recombinant fusion protein.

Also described are: a method for determining the sensitivity of an
individual to a suspected allergen; a method for determining the amount
of immunoglobulin E specific for an allergen in a biological sample; a
method of immunotherapy; a method of allergen characterisation; a method
for determining the sensitivity of an individual to a suspected allergen;
a method of determining the amount of immunoglobulin E specific for an
allergen in a biological sample; a kit comprising the recombinant fusion
protein and instructions for using the recombinant fusion protein to
determine IGE binding to the know or suspected allergen; and a method for
epitope determination. The method is useful for characterising allergens.
This is the amino acid sequence of soybean glycinin G2 acidic protein
This is the amino acid sequence of soybean glycinin G2 acidic protein
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100.0%; Pred. No. 22;
live 0; Mismatches
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Peanut; allergen; Ara H 1; IgE; immunoglobulin E; epitope; Ara h 3; allergic reaction; glycinin protein; A2B1A; soybean.

Soybean glycinin protein A2B1A sequence.

(first entry)

06-DEC-1999

AAY40949;

AAY40949 standard; protein; 484 AA.

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AAY40949
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                     This invention describes a novel method for increasing the total oil content of a plant by reducing the amount of at least one storage protein in the plant (for its tissue, organs, parts or cells) and selecting plants that have higher total oil content than starting plants. The storage protein is suppressed by introducing antiense RNA, optionally combined with a ribozyme, sense RNA that induces co-suppression, DNA-binding factors directed against storage protein genes, viral sequences that degrade storage protein RNA, constructs that induce homologous combination of endogenous storage protein genes or mutations into storage protein genes. Most preferably a plant cell is stably transfected with a recombinant expression construct, then regenerated to plants that express the incorporated sequence. The expression constructs particularly contain a seed-specific promoter and they are introduced into plants by standard methods, e.g. via Agrobacterium. The preferred storage proteins of the invention are 2S-albumens, 7S or 11S/12S-globuling or zein-production of oils, fates free fatty acids or their derivatives, useful as foods, animal feeds, pharmaccuticals and fine chemicals. This sequence in expressine a storage protein used to illustrate the method of the
                                                                                                                                                                                                                                                                 oil content; plant; storage protein; seed-specific promoter; 2S-albumin; 7S-globulin; 11S-globulin; 12S-globulin; zein-prolamine; transgenic; oil production; fat production; free fatty acid production; food; animal feed; pharmaceutical; fine chemical production; glycinin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Increasing total oil content of plants, useful e.g. as foods or animal feeds, by reducing amount of storage proteins, particularly with doublestranded interfering RNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 42; DB 8; Length 481;
100.0%; Pred. No. 22;
.ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 4; SEQ ID NO 28; 253pp; German.
                                                                                           ADG43988 standard; protein; 481 AA.
                                                                                                                                                                                                                            G. max glycinin G3 subunit protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         17-MAR-2003; 2003WO-EP002733.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20-MAR-2002; 2002DE-01012893.
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                                                                                                                                                                               (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                WO2003077643-A2
                                                                                                                                                                                 26-FEB-2004
                                                                                                                                                                                                                                                                                                                                                                                    Glycine max
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                                                                                                                                       ADG43988;
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                                                 RESULT 9
                                                                        ADG43986
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Tertiary structure of peanut allergen Ara h 1 for protection of a host animal from allergic reaction.

Disclosure, Page 67; 193pp; English.

Shin DS;

Burks W, Helm RM, Cockrell G, Bannon GA, Stanley JS, Sl Sampson H, Compadre CM, Huang SK, Maleki SJ, Kopper RA;

WPI; 1999-551218/46.

(UYAR-) UNIV ARKANSAS.

99WO-US005494. 98US-0077763P. 99US-00077763

12-MAR-1999; 12-MAR-1998; 11-MAR-1999;

16-SEP-1999

WO9945961-A1

Glycine max.

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The invention provides a tertiary structure for the peanut allergen Ara H 1. The Ara H 1 allergen is found to contain 23 linear IgE-binding epitopes. The invention also provides an isolated recombinant peanut allergen designated Ara h 3 and a nucleotide molecule encoding the peanut allergen Ara h 3. Molecules of the invention are used to protect a host animal from allergic reaction, particularly using a modified allergen which is less reactive with IgE. The invention may also be used to ensure that the allergen is not introduced into genetically modified food. The present sequence represents a soybean glycinin protein A2BlA sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Soybean; Glycinin; atomic coordinate data; processability; soya protein; Shirotsurunoko; protein co-ordinate data.
                                                                                                                                                                                                                                                                                                 Gaps
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                                                                                                                                                                                                                                                                                                 0; Mismatches
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Best Local Similarity luv.
7; Conservative
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                                                                                                                                                                                                                 Sequence 484 AA;
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Gaps

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7; Conservative

Matches

Local Similarity

Query Match

PNNKPFQ 63 PNNKPFO 7

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(CAPL/) CAPLAN M J. (SOSI/) SOSIN H B.
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29-JAN-1999;
11-FEB-1999;
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                                                                                                                                                                                                                                                                                                                    ADG27563;
                                                                                                                                                                                                                                                                               RESULT 13
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                                                                                                                                                                The present invention relates to a new Glycinin characterised by the atomic coordinate data fully defined in the specification. The structure can be used for improving processability of soya protein. The present amino acid sequence represents the Glycine max (Soybean) var. Shirotsurunoko protein #2, as described in the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NE, Kopper RA, Maleki SJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New modified anaphylactic food allergen, useful for preventing or
treating allergic reactions associated with e.g. anaphylactic allergens.
                                                                                                         Glycinin, beta-conglycinin and proglycinin, their crystal structures, three dimensional coordinates, three dimensional structured and models
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention relates to a modified anaphylactic food allergen has an amino acid sequence that is substantially identical to that of natural
                                                                                                                                                                                                                                                                                                                                                                                                                                   Soybean, allergy, Beta conglycinin, IgE binding site, glycinin A2Bla, anaphylactic food allergen; antiallergenic; vaccine; wound healing.
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                                                                                                                                                                                                                                              100.0%; Score 42; DB 5; Length 485; 100.0%; Pred. No. 23; cive 0; Mismatches 0; Indels
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                                                                                                                                               Disclosure; Page 1269-1271; 1298pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sosin H, Sampson H, Bannon GA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Compadre CM, Connaughton C, Helm RM, Rabjohn PA, Shin DS, Stanley JS;
                                                                                                                                                                                                                                                                                                                                                       ABU52502 standard; protein; 485 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 20; Fig 79; 300pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                Soybean glycinin A2Bla protein.
                  21-DEC-2000; 2000JP-00405097
                                       21-DEC-2000; 2000JP-00405097
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18-MAR-2002; 2002US-00276822.
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                                                                            WPI; 2002-685438/74.
N-PSDB; ABS55192.
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                                                         (KYOU ) UNIV KYOTO
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Matches 7; Conserv
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 10-JUL-2002.
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anaphylactic food allergen, except for a cysteine residue that has been modified so that it cannot participate in the disulphide bond. The modification may also comprise mutation of the IgE binding sites to reduce allergenicity. Also included are: (1) a method of making a confine anaphylactic food allergen; (2) a nucleotide molecule encoding or for causing a site specific mutation in the modified anaphylactic food allergen; (4) a method of treating an individual by reducing the clinical response to a natural anaphylactic food allergen; (4) a method of treating an individual by reducing the clinical response to a natural anaphylactic food allergen; anaphylactic food allergen is useful for preventing or treating allergic cactions associated with any natural allergen such as food, insect, treating wounds in mammals such as bovine, canine, feline, captine, creating wounds in mammals such as bovine, canine, feline, captine, covine, porcine, murine or equine species. The present sequence is a soppean allergen (e.g. beta-conglycinin or glycinin subunit A2Bla)
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98US-0073283P.
98US-0074590P.
98US-0074624P.
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98US-00141220.
98US-00191593.
99US-00240557.
99US-00248673.
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99US-0122450P.
99US-0122452P.
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99US-0122565P.
99US-0122566P.
99US-00267719.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           16-MAR-2001; 2001US-0276822P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    26-FEB-2004 (first entry)
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Best Local Similarity 100.۰
نام 7; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 485 AA;
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The invention relates to a modified anaphylactic food allergen whose amino acid sequence is substantially identical to that of a natural anaphylactic food allergen in cluddes at least one cysteine residue that participates in a disulphide bond when the natural anaphylactic food allergen is in its native conformation, except that the cysteine residue has been modified so that it cannot participate in the disulphide bond. Also included are a method of making a modified anaphylactic food allergen defined above, a nucleotide molecule for causing a site specific mutation in a gene encoding a modified anaphylactic food allergen, a transgenic plant or animal expressing a modified anaphylactic food allergen defined above, a nucleotide molecule for causing a site specific mutation in a gene encoding a modified anaphylactic food allergen a modified anaphylactic food allergen by administering a modified anaphylactic food allergen and an isolated fragment of peant allergen and an isolated fragment of pantur allergen anaphylactic food allergen and an isolated fragment of pantur allergen and an isolated fragment of pantur allergen for allergen see place from individual (s) allergic to the natural anaphylactic food allergen is contacted with serum ISE from individual (s) allergic to the natural anaphylactic food allergen Ara h, Ara h, Ara h, and their encoding a contacted sequence for treating allergen Ara h, Ara h, Ara h is anaphylactic food allergen Ara h, Ara h is anaphylactic food allergen anaphylactic food allergen anaphylactic food allergen are anaphylactic food allergen anaphylactic food allerge
                                                                                                                                                                                                                                                                                                                                                                                                                                                New modified anaphylactic food allergen comprising a cysteine residue which has been modified so that it cannot participate in the disulfide bond, useful for treating allergic reactions or wounds.
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RM, King NE,
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                                                                                                                                                                                                                                                                                                                                    Helm
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Stanley JS;
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                                                        COCKRELL G.
COMPADRE C M.
CONNAUGHTON C.
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SHIN D S.
STANLEY J S.
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KING N E.
KOPPER R A.
MALEKI S J.
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                                          BURKS A W.
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100.0%; Score 42; DB 7; Length 485; 100.0%; Pred. No. 23; ive 0; Mismatches 0; Indels
                                      Query Match 100.
Best Local Similarity 100.
Matches 7; Conservative
Sequence 485 AA;
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> 54 PNNKPFO 60 PNNKPFO 7

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ADH89247 standard; protein; 485 AA. ADH89247; RESULT 14 ADH8924' *****

(first entry) 06-MAY-2004

G. max glycinin G2 subunit

double stranded RNA; storage protein; 2S-albumen; 7S-globulin; 11S/12S-globulin; zein-prolamine; homogentietzte metabolic pathway; pharmaceutical; plant; abiodic stress; fatty acid composition; lipid composition; carbohydrate composition; pigmentation; pathogen resistance; fruit ripening delay; aging; male sterility; lignin; fibre; cotton; Vitamin E synthesis; nicotine; affeine; theophylline; threonine biosynthesis; glycinin.

Glycine max.

WO2003078629-A1.

25-SEP-2003.

17-MAR-2003; 2003WO-EP002735.

20-MAR-2002; 2002DE-01012892

Burks AW, Cockrell G; i, Kopper RA, Maleki SJ;

GMBH. (BADI) BASF PLANT SCI

Bauer J; Kock M,

WPI; 2003-803889/75. N-PSDB; ADH89246 Reducing expression of at least two target genes, useful e.g. for producing transgenic plants, using partly double-stranded interfering

Disclosure; SEQ ID NO 22; 228pp; German.

This invention describes a note in the course of the children of corganism by introducing an RNA molecule that is at least partly double crandoning an RNA molecule that is at least partly double crandoning and the RNA molecule is formed as a single, self-complementary molecule. At least one of the double-stranded structures complementary molecule and include an intron-encoding sequence. At least two target genes are selected from different classes of storage complementary molecule may include an intron-encoding sequence. At least two target genes are selected from different classes of storage component in e. 22 abbumen, 75- or 118/125-globulins or zein-component genes, i.e. 22 abbumen, 75- or 118/125-globulins or zein-component sequences or genes in the homogentistate metabolic pathway or protein sequences or genes in the homogentistate metabolic pathway or carymes or cellulases. The RNA of the invention, also related cassettes, component or pathway or expression systems, vectors and transgenic organisms are used for corperation of pharmaceuticals, in biotechnological processes and plant biotechnology, specifically in plants to improve protection against conforce modify composition and/or content of fatty acids, components, to modify carbohydrate component of fatty acids, components, to induce male sterility, to reduce content of storage proteins, to increase component, to modify lightically in cotton, to reduce content of succession and/or lighnic component, to modify lightically in cotton, to reduce content of succession and content, by reducing threenine blosynthesis. The method provides a rapid content by reducing threenine blosynthesis. The method provides a rapid and efficient may of reducing threenine blosynthesis. The method provides a rapid content, by reducing threenine blosynthesis. The method provides a rapid content of a provider or provided and experience or provides a rapid content of a preducing threenine blosynthesis. The method provides a rapid content of a preducing threenine blosynthesis. Th and efficient way of reducing gene expression, can inhibit more than one target gene, prevents development of multiple phenotypes (eince the transcription rate is the same for all RNA sequences, significantly reducing the selection process required to produce an organism with effective suppression of all target genes), avoids problems of epigenic gene silenting, does not require synthesis of individual RNA sequences and the method can be applied to plants with complex (polyploid) genomes. No interference between the individual RNA sequences This invention describes a novel method for reducing the expression of represents a protein encoded by a target gene used in the method invention.

Sequence 485 AA;

Length 485; DB 7; Score 42; Pred. No. 100.0%; 100.0%; Query Match Best Local Similarity 6, 2004, 19:45:31

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The invention describes a method of allergen characterisation comprising:

Obtaining a recombinant fusion protein; attaching the recombinant fusion
protein to a substrate through the native protein; contacting the
recombinant fusion protein attached to the substrate with a biological
sample from an individual; and detecting the binding of immunoglobulin E
molecules in the biological sample to the recombinant fusion protein.

Also described are: a method for determining the sensitivity of an individual to a suspected allergen; a method for determining the amount
of immunoglobulin E specific for an allergen in a biological sample; a
method of immunotherapy; a method of allergen characterisation; a method
for determining the sensitivity of an individual to a suspected allergen;
a method of determining the amount of immunoglobulin E specific for an
allergen in a biological sample; a kit comprising the recombinant fusion
protein and instructions for using the recombinant fusion protein to
determine IgE binding to the know or suspected allergen; and a method for
epitope determination. The method is useful for characterising allergens.
This is the amino acid sequence of soybean glycinin G2 acidic protein
that can be used to demonstrate the methods of the invention.
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Gaps
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 Mismatches
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                                                                                                                                                                         ADL90186 standard; protein; 485 AA.
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                                                                                                                                                                                                                                                                                     Soybean glycinin G2 protein.
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7; Conservative
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